



Mr. Eric Winiecki  
EPA Project Coordinator  
U.S. Environmental Protection Agency, Region 10  
1200 Sixth Avenue, Suite 900  
Seattle, WA 98101

Subject:

DOCKET NO. SDWA-10-2013-0080 – Yakima Valley Dairies  
Submission of Irrigation and Agricultural Professional Credentials

Dear Mr. Winiecki:

ARCADIS U.S., Inc. (ARCADIS) is pleased to submit to the U.S. Environmental Protection Agency (EPA) credentials for the Yakima Valley Dairies (YVD) Agricultural Professional and Irrigation Professional. ARCADIS submits this information on behalf of the YVD, individually: (1) Cow Palace, LLC; (2) D & A Dairy, LLC (also known as D&A Dairy L.L.C.), George DeRuyter & Son Dairy, L.L.C., and George & Margaret, L.L.C; and (3) Liberty Dairy LLC and its associated dairy facility H&S Bosma Dairy. These credentials are submitted to EPA in accordance with YVD Consent Order Section VII.13.a and the Statement of Work (SOW) Sections III.F.1.b.(1) and III.F.2.

The YVD have selected AgriManagement, Inc. of Yakima, Washington (WA UBI No. 397020619) to act as both their Agricultural Professional and their Irrigation Professional. Their contact information is:

AgriManagement, Inc.  
408 North 1<sup>st</sup> Street  
Yakima, WA 98901  
Office: (509) 453-4851  
Fax: (509) 588-1672

A company information sheet for AgriManagement is attached. Mr. Scott Stephen and Mr. Don Jameson will serve as the AgriManagement's principal professionals for this project. Mr. Stephen will serve as AgriManagement's project manager for the YVD. Resumes for Mr. Stephen and Mr. Jameson are attached to this letter.

Imagine the result

ARCADIS U.S., Inc.  
695 North Legacy Ridge Drive  
Suite 200  
Liberty Lake  
Washington 99019  
Tel 509 928 3369  
Fax 509 928 3075  
[www.arcadis-us.com](http://www.arcadis-us.com)

ENVIRONMENT

Date:

May 14, 2013

Contact:

Kevin M. Freeman, PG

Extension:

211

Email:

Kevin.Freeman@  
arcadis-us.com

Our ref:

SK030326.0001  
SK030334.0001  
SK030335.0001

The YVD are confident that AgriManagement's qualification and expertise serve the needs of this project. If you have any questions for AgriManagement directly, please contact Scott Stephen at (509) 949-8843 or via e-mail at [sstephen@agrimgt.com](mailto:sstephen@agrimgt.com). If you have other comments or concerns, please do not hesitate to call ARCADIS. Thank you.

Sincerely,

ARCADIS U.S., Inc.



Kevin M. Freeman  
YVD Project Coordinator

Attachments:

AgriManagement, Inc. Information Sheet  
Mr. Don Jameson Resume  
Mr. Scott Stephen Resume

Copies:

Scott Stephen, AgriManagement, Inc.  
[REDACTED], Cow Palace LLC  
[REDACTED], George DeRuyter & Son Dairy LLC  
[REDACTED], Liberty Dairy LLC  
Rene Fuentes, EPA  
Jennifer MacDonald, EPA  
Patrick W. Ryan, Perkins Coie LLP  
Lori Terry Gregory, Foster Pepper PLLC

## ◆ Herbicide & Weed Control

On request, Agrimanagement will survey your weed problem and recommend appropriate controls. In some cases soil bioassays may be made to determine potential hazards of phytotoxic herbicide residues.

## ◆ Agronomic Feasibility Studies

We will do complete agronomic studies on undeveloped or developed land for buyers, sellers, real estate personnel, or banking institutions. This will include fertility needs, irrigation requirements, nematode analyses and estimated expenses.

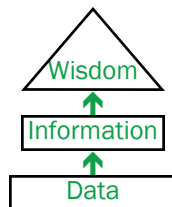
## ◆ Information Systems Design & Implementation

Getting the right information to the right people is key to making the right decisions.

We help you establish and implement systems for making use of available data. We use a variety of tools (Spreadsheets, database, HTML, XML, Intranets, Email, GIS) for helping you develop, distill, and communicate the right information.

### Examples:

- Setup field profitability reports for farm managers.
- Build layers of field data into a GIS database.
- Develop a website to communicate warehouse or shed data to growers.
- Interfacing remote field collection with accounting and inventory systems.
- Data Mine from different sources into a dashboard or other usable format.



## ◆ Farm and Agribusiness Management Consulting

Agrimanagement offers a number of services in the area of farm and agribusiness finance, and planning.



Our agricultural economist has a ready base of experience and information in the production and marketing of principal crops in the Pacific Northwest.

### Services Include:

- ◆ Market, crop & industry evaluation.
- ◆ Financial analysis, planning & restructuring.
- ◆ Cash flow budgeting & projections.
- ◆ Cost accounting & enterprise analysis.
- ◆ Loan application preparation.
- ◆ Analysis of prices & markets.
- ◆ Production cost analysis.
- ◆ Annual meeting presentations.

## Our Mission Statement

Agrimanagement is an agricultural consulting company that provides production services, independent of product sales, to farmers and orchardists. Our main objective is to enable growers to be more efficient and achieve higher profitability.

We achieve this by applying ag-science principles and techniques to address the needs and problems of the modern farmer. Our reputation is based on providing reliable, objective, timely, and affordable services adapted to individual client needs.

We maintain a high level of professionalism and respect the proprietary nature of the information we collect and analyze.



## Agricultural Consultants for:

- Farmers and Orchardists
- Agricultural Businesses
- Government Agencies
- Commodity Commissions



## Measuring Crop Needs For Greater Profits

408 North First Street  
(509) 453-4851  
(800) 735-6368  
Fax: (509) 588-1672  
[www.agrimgt.com](http://www.agrimgt.com)

# Agrimanagement Services

- ◆ Soil Fertility
- ◆ Petiole and Leaf Analyses
- ◆ Irrigation Monitoring
- ◆ Insect Monitoring
- ◆ Plant Health
- ◆ Nematode Control
- ◆ Information Systems

Agrimanagement, founded in 1965, provides consulting services independent of product sales and continues to grow with the changing needs of agriculture in Central Washington and Northeastern Oregon.

Staffed by highly qualified professional consultants representing key agricultural specialties, Agrimanagement's main objective is to enable growers to be more efficient and achieve higher profitability.

Each service benefits from the latest scientific research and extensive field experience. Field data collected by consultants and carefully trained field scouts provides the basis for timely reports and written recommendations for the grower.

*As a service oriented company, our reputation for professionalism depends upon a responsive relationship with our client and a respect for the proprietary nature of the technical data we collect.*

## ◆ Soil Fertility Analyses

Agrimanagement works with row crops, hops, small fruits, tree fruits, and vineyards to measure nutrient levels within the soil profile as well as areas of soil variability. We also have the capability to collect and report data spatially using GIS technologies.



The grower receives a complete report plus a recommendation, outlining the specific fertilizer nutrients needed for a specified crop. The objective is to optimize crop quality and yield while reducing production costs.

## ◆ Insect & Disease Monitoring

Crop diseases, pests, and beneficial insects are closely monitored on a regular basis throughout the growing season, utilizing the most appropriate sampling practices.

Knowing the species and population densities of beneficial insects as well as pests is vital for deciding whether control measures should be implemented and to what degree. This is especially true in organic regimes where detailed monitoring of beneficial levels are important for proper management decisions.



## ◆ Soil Pest Detection & Control

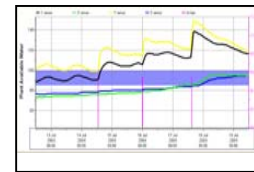
By thorough sampling methods and assay procedures, Agrimanagement determines which sections of a field may contain different nematode genera, mint root borers, wireworms, cutworms, or other soil pests. Our recommendations help the grower achieve a high quality product with the least amount of economic outlay for soil pest control.

## ◆ Irrigation Monitoring & Scheduling

Water is the single most important input for farming. Knowing how much water to use and when water is needed for a particular crop can help to ensure both optimum yield and possible water savings.

We determine crop water requirements through systematic soil moisture sampling, using such methods as gravimetric, ECH<sub>2</sub>O sensors, WaterMark, and TDR.

This data is used to project trends and determine a desirable frequency and intensity of irrigation application to meet the crop needs.



In this way, the grower can have confidence that his water is being used in an optimum and efficient manner.

## ◆ Petiole Sampling & Leaf Analyses

By analyzing plant petiole and leaf tissues, Agrimanagement measures the on-going nutritional status of plants during the growing season.

This enables us to make timely fertilizer and nutrient spray recommendations.



Leaf analyses for some permanent crops can also be used to predict requirements for the next season. Using this system, optimum fertilizer efficiency and crop quality is maintained.



**DONALD L.  
JAMESON**  
Agronomist,  
CPAg, CPCC-I

**Mailing Address**

408 N. First Street  
Yakima, WA 98901-2306

Phone: [\(509\) 453-4851](tel:5094534851)

Fax: [\(509\) 452-6760](tel:5094526760)

**E-mail Address**

djameson at agrimgt dot com

**April 2013**

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**KEY QUALIFICATION:**

Donald Jameson is an Agronomist with 37 years of experience in the irrigated agriculture of the central Washington area. Prior to his experience in Consulting Agronomy, he served in the field of Education; after receiving accreditation for secondary level teaching of chemistry, and physical or biological sciences.

**PROFESSIONAL EDUCATION:**

B.S., Agronomy (Soil & Crop Sciences), Kansas State University at Manhattan, Kansas, January 1969.

B.S., Education in Biological Sciences/Physical Sciences (Minor), Kansas State University, June 1973



## EXPERIENCE:

### Agrimanagement, Inc., 1975 - Present

Serves as a Consulting Agronomist to farmers of orchards, vineyards, and open land crops. Principal service responsibilities center upon irrigation scheduling, soil management and soil fertility testing, plant nutrition and plant nutrient analysis. He also engages in demonstration contract research and expert witness consultation.

Serves as President and Counselor for sales and overall service to the Company's four territorial service regions. He assists in overseeing summer personnel selection and training.

### Junction City, Kansas School District, 1973-74

Served one year as instructor of Biological Science, teaching 10th and 12th grade students.

### Military Experience, June 1969 to July 1972

Entered service in the U.S. Army as a R.O.T.C. Commissioned 2nd Lieutenant. Graduated from Fort Sill Field Artillery Officers Basic Course, and from the Fort Wolters and Fort Ruckers U.S. Army Rotary Wing Aviation Schools. Practical service work was as a Rotary Wing Pilot in the Republic of Vietnam and at Fort Riley, Kansas. In July of 1972, left active duty at the rank of Captain.

## PROFESSIONAL SOCIETIES, Certifications, Licenses, and Honoraries:

- Certified Professional Agronomist (C.P.Ag.), American Registry of Certified Professionals in Agronomy, Crops & Soils, Ltd. C.P. Ag, June 1982.
- Certified Profession Crop Consultant - Independent (CPCC-I) by NAICC No. 0119
- Washington Pest Consultants Association, Licensed WA State Pesticide consultant, category A #554.
- Licensed OR State Pesticide consultant, Type 066, #153733
- National Alliance of Independent Crop Consultants, Past Director and member since 1981, Served as President in 1996.
- NAICC Foundation for Environmental Agricultural Education (FAEA), 2007 Vice President, 2008-2010 President.
- Gamma Sigma Delta (Scholastic honorary)

- Alpha Zeta (Agricultural scholastic honorary)

## REGIONAL ASSOCIATIONS:

- WA State Vegetable Growers Association
- Association of Washington Business
- Independent Business Association
- WA State Commodity Associations

## PERSONAL DATA:

Born November 19, 1946, Manhattan, Kansas

Married since 1977 with four adult children



**SCOTT STEPHEN**  
**Soil Scientist**  
C.C.A.

**Mailing Address**

408 N. First Street  
Yakima, WA 98901-2306

Phone: [\(509\) 453-4851](tel:(509)453-4851)

Fax: [\(509\) 588-1672](tel:(509)588-1672)

**E-mail Address**

sstephen at agrimgt dot com

**April 2013**

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**KEY QUALIFICATION:**

Scott Stephen is a Soil Scientist with 17 years of experience in consulting in the irrigated agriculture region of Central Washington. Mr. Stephen is trained in providing soil fertility recommendations, irrigation management, soil pest/disease management, petiole and leaf analysis, and IPM services on many of the crops grown along the eastern slopes of the Cascades.

**PROFESSIONAL EDUCATION:**

B.S., Soil Science, Washington State University, 1996.

**EMPLOYMENT HISTORY:**

[Agrimanagement, Inc.](#), 1996 - Present

Serves as a Consulting Soil Scientist to farmers of orchards, vineyards, and open land crops. Principal service responsibilities center upon irrigation scheduling, soil management and soil fertility testing, plant nutrition and plant nutrient analysis. Scott serves as corporate Vice President.

[Agrimanagement, Inc.](#), 1991-1996

Worked as a summer sampler involved in irrigation, petiole and entomology sampling on many crops including hops, mint, tree fruit, potatoes, grapes, etc.

[Valley Landscaping and Design](#), 1990-1991

Worked as a summer helper in installing home automatic irrigation systems, planting trees/shrubs, and laying sod.

**PROFESSIONAL SOCIETIES, Certifications, Licenses, and Honoraries:**

- American Society of Agronomy Certified Crop Advisor (CCA)
- Washington State Department of Agriculture, Pesticide License, Commercial Consultant category.
- National Alliance of Independent Crop Consultants, Member since 2000.
- NRCS-TSP (Irrigation Water Management - Integrated Pest Management - Nutrient Management)

**REGIONAL ASSOCIATIONS:**

- Pacific Northwest Vegetable Growers Association
- Several WA State Commodity Associations

**PERSONAL DATA:**

Born May 15, 1973 - Yakima, WA

Married since 2004 with one daughter